

Figure 1

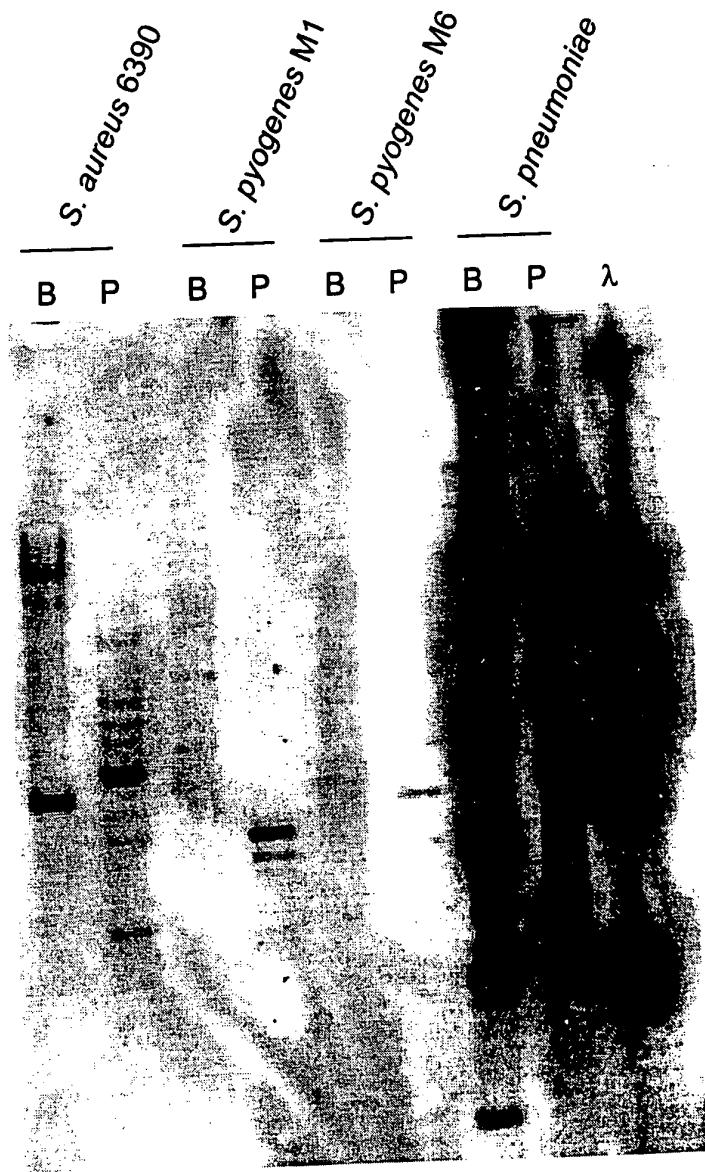


Figure 2 (a)

10 20 30

1 V K K T Y G Y - I G S V A A I L L A T H I G S Y O L G K H H Gas36.pro
 1 V K K T Y G Y - I G S V A A I L L A T H I G S Y O L G K H H Gbs36.PRO
 1 M K I N K K Y L V G S A A A L I L S - - V C S Y E L G L Y O Pneumo Sp36.PRO

40 50 60

30 M G S A T K D N Q I A Y I D D S K G K A K A P K T N K T M D Gas36.pro
 30 M G L A T K D N Q I A Y I D D S K G K V K A P K T N K T M D Gbs36.PRO
 29 A R T V K E N N R V S Y I D G K O A T O K T - - E N L T P D Pneumo Sp36.PRO

70 80 90

60 Q I S A E E G I S A E O I V V K I T D O G Y V T S H G D H Y Gas36.pro
 60 Q I S A E E G I S A E O I V V K I T D O G Y V T S H G D H Y Gbs36.PRO
 57 E V S K R E G I N A E O I V I K I T D O G Y V T S H G D H Y Pneumo Sp36.PRO

100 110 120

90 H F Y N G K V P Y D A I I S E E L L M T D P N Y R F K Q S D Gas36.pro
 90 H F Y N G K V P Y D A I I S E E L L M T D P N Y H F K Q S D Gbs36.PRO
 87 H Y N G K V P Y D A I I S E E L L M K D P N Y K L K D E D Pneumo Sp36.PRO

130 140 150

120 V I N E I L D G Y V I K V N G N Y Y V Y L K P G S K R K N I Gas36.pro
 120 V I N E I L D G Y V I K V N G N Y Y V Y L K P G S K R K N I Gbs36.PRO
 117 I V N E V K G G Y V I K V D G K Y Y V Y L K D A A H A D N V Pneumo Sp36.PRO

160 170 180

150 R T K Q O I A E O V A K G T K E A K E K G L A Q V A H L S K Gas36.pro
 150 R T K Q O I A E O V A K G T K E A K E K G L A Q V A H L S K Gbs36.PRO
 147 R T K E E I N R O - K O E H S Q H R E G G T P R - - - - - Pneumo Sp36.PRO

190 200 210

180 E E V A A V N E A K R O G R Y T T D D G Y I F S P T D I I D Gas36.pro
 180 E E V A A V N E A K R O G R Y T T D D G Y I F S P T D I I D Gbs36.PRO
 170 - N D G A V A L A R S O G R Y T T D D G Y I F N A S D I E Pneumo Sp36.PRO

220 230 240

210 D L G D A Y I L V P H G N H Y H Y I P K K D L S P S E L A A A Gas36.pro
 210 D L G D A Y I L V P H G N H Y H Y I P K K D L S P S E L A A A Gbs36.PRO
 199 D T G D A Y I V P H G D H Y H Y I P K N E L S A S E L A A A Pneumo Sp36.PRO

250 260 270

240 Q A Y W S O K O G R G A R P S D Y R P T P A P A P G R R R K A Gas36.pro
 240 Q A Y W S O K O G R G A R P S D Y R P T P A - - P G R R R K A Gbs36.PRO
 229 E A F L S G R - G N L S N S R T Y R R - Q N S D N T S R T N Pneumo Sp36.PRO

280 290 300

270 P I P D V T P N P G O G H O P D N G G Y H P A P P R P N D A Gas36.pro
 268 P I P D V T P N P G O G H O P D N G G Y H P A P P R P N D A Gbs36.PRO
 257 W V P S V S - - - - - N P G T T N T N T S Pneumo Sp36.PRO

310 320 330

300 S O N K H O R D E F K G K T F K E L L D O L H R L D L K Y R Gas36.pro
 298 S O N K H O R D E F K G K T F K E L L D O L H R L D L K Y R Gbs36.PRO
 273 N N S N T N S O A S O S N D I D S L L K O L Y K L P L S Q R Pneumo Sp36.PRO

Figure 2 (b)

340 350 360

330 H V E E D G L I F E P T O V I K S N A F G Y V V P H G D H Y Gas36.pro
 328 H V E E D G L I F E P T O V I K S N A F G Y V V P H G D H Y Gbs36.PRO
 303 H V E S D G L V F D P A Q I T S R T A R G V A V P H G D H Y Pneumo Sp36.PRO

370 380 390

360 H I I P R S O L S P L E M E L A D - - - R Y L A G O - - - Gas36.pro
 358 H I I P R S O L S P L E M E L A D - - - R Y L A G O - - - Gbs36.PRO
 333 H F I P Y S O M S E L E E R I A R I I P L R Y R S N H W V P Pneumo Sp36.PRO

400 410 420

383 T E D D D S G S D H S K P S D K E V T H T F L G H R I K A Y Gas36.pro
 381 T D D N D S G S D H S K P S D K E V T H T F L G H R I K A Y Gbs36.PRO
 363 D S R P E O P S P Q P T P E P S P G P O P A P N L K I D S N Pneumo Sp36.PRO

430 440 450

413 G K G L D G K P Y D T S D A Y V F S K E S I I H S - V D K S G Gas36.pro
 411 G K G L D G K P Y D T S D A Y V F S K E S I I H S - V D K S G Gbs36.PRO
 393 S S L V S O L V R K V G E G Y V F E E K G I S R Y V F A K D Pneumo Sp36.PRO

460 470 480

442 V T A K H G D H F H Y - I G F G E L E Q Y E L D E V A N W V Gas36.pro
 440 V T A K H G D H F H Y - I G F G E L E Q Y E L D E V A N W V Gbs36.PRO
 423 L P S E T V K N L E S K L S K O E S V S H T L T A K K E N V Pneumo Sp36.PRO

490 500 510

471 K A K G O A - - D E L A A A L D O E O G K E K P L F D T K K Gas36.pro
 469 K A K G O A - - D E L V A A L D O E O G K E K P L F D T K K Gbs36.PRO
 453 A P R D O E F Y D K A Y N L L T E A H - - - K A L F E N K G Pneumo Sp36.PRO

520 530 540

499 V S R K V T K D G K V G Y M M P K D G K D Y F Y A R D Q L D Gas36.pro
 497 V S R K V T K D G K V G Y I M P K D G K D Y F Y A R Y Q L D Gbs36.PRO
 480 R N S D F O A L D K L L E R L N D E S T N - - - K E K L V Pneumo Sp36.PRO

550 560 570

529 L T O I A F - - - A E O E L M L K D K K H Y R Y D I V D T Gas36.pro
 527 L T O I A F - - - A E O E L M L K D K K H Y R Y D I V D T Gbs36.PRO
 506 D D L L A F L A P I T H P E R L G K P N S O I E Y T E D E V Pneumo Sp36.PRO

580 590 600

555 G I E P R L A - - - V D V S S L P M H A G N A T Y D T G S S Gas36.pro
 553 G I E P R L A - - - V D V S S L P M H A G N A T Y D T G S S Gbs36.PRO
 536 R I - A O L A D K Y T T S D G Y I F D E H D I I S D E G D A Pneumo Sp36.PRO

610 620 630

582 F V I P H I D H I H V V P Y S W L T - R D O I A T I K Y V M Gas36.pro
 580 F V I P H I D H I H V V P Y S W L T - R N O I A T I K Y V M Gbs36.PRO
 565 Y V T P H M G H S H W I G K D S L S D K E K V A A Q A Y T K Pneumo Sp36.PRO

640 650 660

611 Q H P E V R P - - - D I W S K P G H E E S G S V I P N V T Gas36.pro
 609 Q H P E V R P - - - D V W S K P G H E E S G S V I P N V T Gbs36.PRO
 595 E K G L P P S P D A D V K A N P T G D S A A A I Y N R V K Pneumo Sp36.PRO

Figure 2 (c)

670 680 690

637	P L D K R A G M P N W O - I I H S A E E V I Q K A L A E G R F	Gas36.pro
635	P L D K R A G M P N W O - I I H S A E E V I Q K A L A E G R F	Gbs36.PRO
625	G - E K R I P L V R L P Y M V E H T V E V K N G - - - - -	Pneumo Sp36.PRO

700 710 720

666	A T P D G Y I F D P R D V L A K E T F V W - K D G S F S I P	Gas36.pro
664	A A P D G Y I F D P R D V L A K E T F V W - K D G S F S I P	Gbs36.PRO
648	- - - - N L I I P H K D H Y H N I K F A W F D D H T Y K A P	Pneumo Sp36.PRO

730 740 750

695	R A D G S S L R T I - - - - - N K S D L S O A E	Gas36.pro
693	R A D G S S L R T I - - - - - N K S D L S O A E	Gbs36.PRO
674	- - N G Y T L E D L F A T I K Y Y V E H P D E R P H S N D G	Pneumo Sp36.PRO

760 770 780

714	W O O A O E - L L A K K N A G D A T D T D - K P K E K O O A	Gas36.pro
712	W O O A O E - L L A K K N A G D A T D T D - K P E E K O O A	Gbs36.PRO
702	W G N A S E H V L G K K D H S E D P N K N F K A D E E P V E	Pneumo Sp36.PRO

790 800 810

742	D K S N E N O O P - - - S E A S K E E E K E S D D F I D S L	Gas36.pro
740	D K S N E N O O P - - - S E A S K E E - K E S D D F I D S L	Gbs36.PRO
732	E T P A E P E V P O V E T E K V E A O L K E A E V L L A K V	Pneumo Sp36.PRO

820 830 840

769	P D Y G L D R A T L E D H I N O L A O K A N I D P K Y L I F	Gas36.pro
766	P D Y G L D R A T L E D H I N O L A O K A N I D P K Y L I F	Gbs36.PRO
762	T D S S L - K A N A T E T L A G L R N N L T L O - - - I M	Pneumo Sp36.PRO

850 860 870

799	O P E G V O F Y N K N G E L V T Y - - - D I K T L Q O I N	Gas36.pro
796	O P E G V O F Y N K N G E L V T Y - - - D I K T L Q O I N	Gbs36.PRO
787	O N N S I M - - A E A E K L L A L L K G S N P S S V S K E K	Pneumo Sp36.PRO

825 822 815

825	P	Gas36.pro
822	P	Gbs36.PRO
815	I N	Pneumo Sp36.PRO

Figure 3

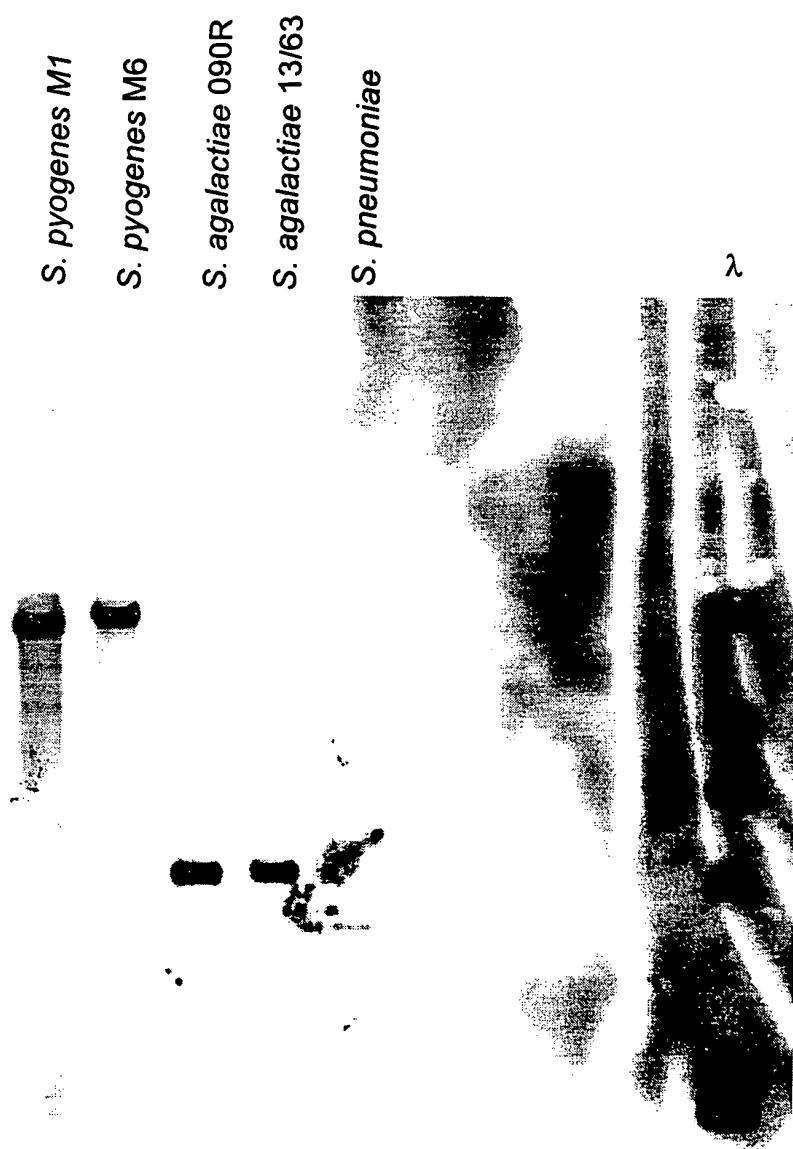
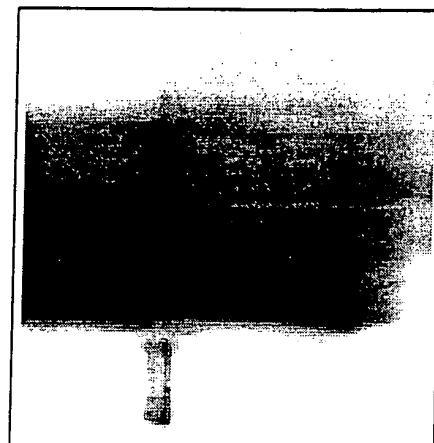


Figure 4



Control
Sp36 GBS
Sp36
SJ2 6b

09645325 - 032500

Figure 5

(A)

MKKTYGYIGS VAAILLATHI GSYQLGKHHM GSATKDNQIA YIDDTSKGKAK APKTNKTMHQ ISAAEGISAE 70
 QIVVKITDQG YVTSHGDHYH FYNGKVPYDA IISSEELLMTD PNYRFKQSDV INEILDGIVI KVNGNYVYVI 140
 KPGSKRKNIR TKQQIAEQVA KGTKEAKEKG LAQVAHLSKE EVAAVNEAKR QGRYTTDDGY IFSPTDILDD 210
 LGDAYLVPHG NHYHYIPKKD LSPSELAAQ AYWSQOKQGRG ARPSDYRPTP APAPGRRKAP IPDVTPNPGQ 280
 GHQPDNNGGYH PAPPRPNDAS QNKHQRDEFK GKTFKELLDDQ LHRLLDKYRH VEEDGLIFEP TQVIKSNAFG 350
 YVVPHGDHYH IIPRSQQLSPL EMELADRYLA GQTEDDDSGS DHSKPSDKEV THTFLGHRIK AYGKGLDGKP 420
 YDTSDAYVFS KESIHSVDKS GVTAKHGDHF HYTGFGELEQ YELDEVANWV KAKGQADELA AALDQEQQKE 490
 KPLFDTKKVS RKVTKDGKVG YMMPKDGKDY FYARDQQLDLT QIAFAEQELM LKDKKKHYRYD IVDTGIEPRL 560
 AVDVSSLPMH AGNATYDTGS SFVIPHIDHI HVVPYSWLTR DQIATIKYVM QHPEVRPDIW SKPGHEESGS 630
 VIPNVTPLDK RAGMPNWQII HSAEEVQKAL AEGRFATPDG YIFDPRDVLA KETFVWKDGS FSIPRADGSS 700
 LRTINKSDLS QAEWQQQAQEL LAKKNAGDAT DTDKPKKEKQQ ADKSNNENQQP SEASKEEEKE SDDFIDSLPD 770
 YGLDRATLED HINQLAQKAN IDPKYLIIFQP EGVQFYNKG ELVTYDIKTL QOINP 825

Figure 5 (cont'd)

(B)

MTKKKVIIIV GLLSSQLTL IACQSRGNGT YPIKTKQSRK GMTSNKIKPI KKSKKTNKTH KGVAGVDFPT 70
 DDGFLITKDS KILSKTDQGI VVDHDGHSHF IFYADLKGSP FEYLIPKGAS LAKPAVAQRA ASOQTSKVKAD 140
 PHHHYEFNPA DIVAEDALGY TVRHDDHFHY ILKSSLSGQT QAAQAKQVATR LPQTSSLVST ATANGIPGLH 210
 FPTSDGQFN GQGIVGVTKD SILVDHDGHL HPISFADLRQ GGWAHVADQY DPAKKAEKPA ETHQTPELSE 280
 REKEYQEKLA YLAEKLGIDP STIKRVETQD GKLIGLEYPHH DHAHVLMLSD TEIGKDIPDP HALEHARELE 350
 KHKVGMDTLR ALGFDEEVIL DIVRTHDAPT PFPSNEKDPN MMKEWLATVI KLDLGSRKDP LQRKGLSLP 420
 NLETLGIGFT PIKDISPVLQ FKKLIKLMMT KTGVTDYRFL DNMPQLEGID ISQNNNLKDI FLSKYKNLTL 490
 VAAADNGIED IRPLGQLPN KFLVLSNNKI SDLSPSPLSH QLQELHIDNN QITDLSPVSH KESLTVVDLS 560
 RNADVDLATL QAPKLETLMV NDTKVSHLDF LKNNPNLSL SINRAQLSL EGIEASSVIV RVEAEGNQIK 630
 SLVLKDKQGS LTFLDVTGNQ LTSLEGVNNF TALDILSVSK NQLTNVNLSK PNKTVTNIDI SHNNISLADL 700
 KLNEQHQIPEA IAKNFPAVE GSMVGNGTAE EKAAMATKAK E.SAQEASESH DYNHNHTYED EEEGAHEHRD 770
 KDDHDHEHED ENEAKDEQNH AD 792

Figure 5 (cont'd)

(C)

MKRTYGYIGS VAAILLATHI GSYQLGKHHM GLATKDNQIA YIDDTSKGKVK APKTNKTMDO ISAEEGISAE 70
 QIVVKITDQG YVTSHGDHYH FYNGKVPYDA IISSEELLMTD PNYHFKQSDV KVNNGNYVVYL 140
 KPGSKRKNIR TKQQIAEQVA KGTKEAKEKG LAQVAHLSKE EVAVNEAKR QGRYTTDDGY IFSPTDIIDD 210
 LGDAYLVPHG NHYHILPKKD LSPSELAAQ AYWSQKQGRG ARPSDYRPTP APGRRKAPIP DVTPNPGQGH 280
 QPDNGGGYHPA PPRPNDAQN KHQRDEFKGK TFKEILLDQLH RLIDLKYRHVE EDGLLIFEPTQ VIKSNAFGYV 350
 VPHGDDHYHII PRSQLSPLEM ELADRYLAGQ TDDNDSGSDH SKPSDKEVTW TFLGHRIKAY GKGLDCKPYD 420
 TSDAYVFSKE SIHSVDKSGV TAKHGDHFHY IGFGELEQYE LDDEVANWVKA KGQADELVAA LDQEQQGKEKP 490
 LFDTKVVSRK VTKDGKVGYI MPKDGKDYY ARYQLDLTQI AFAEQELMLK DKKHYRYDIV DTGIEPRILAV 560
 DVSSSLPMHAG NATYDTGSSF VIPHIDHIHV VPYSWLTRNQ IATIKYVMQH PEVRPDVWSK PGHEESGSVI 630
 PNVTPILDKRA GMPNWQIHS AEEVQKALAE GRFAAPDGYI FDPRDVLAKE TFVWKDGSSFS IPRADGSSLR 700
 TINKSDLSQLA EWQQAQELLA KKNAGDATDT DKPPEEKQQAD KSNNENQQPSE ASKEEKESDD FIDSLPDYGL 770
 DRAILEDHIN QLAQKANIDP KYLIFQPEGV QFYNKNGELV TYDIKTLQQI NP 822